

The 2019 Twelfth Biennial Short Course

Friday, July 12, 2019

presented by
Colorado State University Extension
Green Industries of Colorado
Northern Water

Schedule

9:00 – 10:00 am

Turf and Weed ID*

Presented by Dr. Tony Koski, CSU Department of Horticulture and Landscape Architecture

Location 3

Effective weed management requires that weeds be correctly identified. Once identified, effective cultural and biological management tools can be used. If herbicides (synthetic or natural) will be used, identification of both the weed and host crop (lawn, garden) is essential for using herbicides legally and effectively.

(Presented at 9:00 am & 11:20 am)

Tree and Shrub ID* **

Presented by Dr. Jim Klett, CSU Department of Horticulture and Landscape Architecture

Location 4

This session will include a walk around Northern Water Conservancy to discuss trees and shrubs that will add diversity to the plant pallet planted in Colorado. Many could be replacements for ash trees. You will observe first-hand these plants helping you in future identification.

(Presented at 9:00 am & 11:20 am)

Irrigation System Efficiency

Presented by Chad Kuhnel, Water Efficiency Program, Northern Water

Location 1

Overview of irrigation components and efficient irrigation practices. Look at multi-stream nozzles as an alternative to spray nozzles that can easily be retrofitted in residential irrigation systems, comparing their different precipitation rates, pressure requirements and how to adjust. Preform an irrigation audit on our above ground spray irrigation system to demonstrate ways to test your irrigation systems efficiency.

(Presented at 9:00 am & 10:10 am)

Low Water Ornamental Grasses for Colorado Landscapes

Presented by Amy Lentz, CSU Extension, Weld County

Location 2

This walking tour will cover various ornamental grasses that are located around the Conservation Gardens and front landscape at Northern Water. These plants are those that thrive in Colorado's semiarid climate and have low water requirements. Ornamental traits, cultural requirements and maintenance will be discussed for a wide variety of ornamental grasses.

* denotes CDA credit ** denotes ISA credit



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10:10 – 11:10 am

Shrub Pruning

Presented by Eric Hammond, CSU Extension, Brighton

Location 4

This session will cover the basics of proper shrub pruning. You will learn how shrubs respond to pruning and the potential benefits and risks of pruning shrubs.

(Presented at 10:10 am & 11:20 am)

Plant Health Care Landscape Problems* **

Presented by Mary Small, CSU Extension (retired), and John Stolzle, CSU Extension, Jefferson County

Location 3

Join Mary and John on a walk-through Northern Water's landscape to discuss the latest abiotic stresses, insects and diseases affecting Colorado Plants. Mary and John will provide diagnostic tricks and management options for each infection you will encounter.

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Native Grasses in the Urban Landscape*

Presented by Dr. Tony Koski, CSU Department of Horticulture and Landscape Architecture

Location 2

Native grasses are becoming more popular for use in urban landscapes. Some species can be used for lawns, while others are best left unmowed. Attendees will see what these grasses look like mowed and unmowed and learn some tricks for their establishment and maintenance. Weeds are the most common pest problem in native grass stands, so the use of herbicides for weed management in native grasses will be discussed.

11:20 am – 12:20 pm

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1:30 pm—2:00 pm

The Colorado River: Issues and Drought Contingency Planning

Presented by Kyle Whitaker, Colorado River Programs Manager for Northern Water

Location: Granby Board Room

The Colorado River, which irrigates 5.5 million acres and provides municipal water supplies to nearly 40 million people in 7 states, is stressed. Sure, it's snowed a lot this year, but ongoing drought, climate change, increasing demand, and managerial complexity are serious challenges for the lifeblood of the west. The presentation will share a who what when where why and how about the river's status, the Drought Contingency Planning, and what it means for Colorado.

2:00 pm—2:30 pm

Irrigation Innovation Consortium

Presented by Dr. Stephen Smith, Farmer and Founding Director

Location: Granby Board Room

The Irrigation Innovation Consortium (IIC), based at CSU, is a collaborative research effort to accelerate the development and adoption of water and energy efficient irrigation technologies and practices through public-private partnerships. The Consortium has five founding university partners and eight founding industry partners. The Consortium seeks to address growing water scarcity domestically (e.g. western United States) and internationally by enhancing efficiency in irrigated food systems and amenity landscapes.

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2:30 - 3:30 pm

2019 Insect Update* **

Presented by Dr. Whitney Cranshaw, CSU Department of Bioagricultural Sciences and Pest Management

Location: Granby Board Room

Come and learn about the big, the bad, and the ugly, in terms of insects affecting our landscapes in 2019. Updates about emerald ash borer, Japanese beetle, and more will be discussed, along with on-going and current research in the field of entomology.

OPTIONAL TOUR - 3:30 pm

The Colorado-Big Thompson Project Interpretive Area

Registration

Register [Online](#) - Enrollment limited to 100 people

Pricing

- \$65 Early Bird Registration - due June 21, 2019
- \$75 Regular Registration - June 22 - July 3, 2019
- \$85 Walk-Ins - (only if space is available)
No discount for half day

Additional Registration Information:

- No refunds will be issued after June 21, 2019.
- Event will be held rain or shine.
- Registration includes lunch.
 - Vegetarian options available. Special dietary requests cannot be accommodated.
- Confirmations will only be sent via email
- Morning sessions will be held outdoors with limited opportunities to sit. Please wear comfortable walking shoes and a water bottle to fill up at water stations.
- Classes are available on a first come first serve basis.



Plan to check-in prior to 8:45 a.m. Classes will begin promptly at 9:00 a.m.

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